

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 1
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

P/C

COMPANY NAME AND ADDRESS

Exide Technologies
2700 South Indiana Street
Vernon, CA 90058

ID 124838

mailing and equipment address

EQUIPMENT DESCRIPTION

(NEW EQUIPMENT AND CHANGES TO EXISTING EQUIPMENT ARE INDICATED
IN BOLD TYPE)

APPLICATION NO. 546547 (previous A/N 496418)

RECLAIM/TITLE V MINOR PERMIT REVISION

APPLICATION NO. 546549

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 11: CUPOLA FURNACE FEED ROOM APCS					
CYCLONE, SPENCER, MODEL CH950CB-MOD, HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N: 546549	C159	C160 D161		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M, WITH 75 HP BLOWER, 468 SQ.FT. A/N: 546549	C160	C48 C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.3
FLOOR SWEEP, 50 TOTAL A/N: 546549	D161	C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
CYCLONE, SPENCER, MODEL CH942CB-MOD, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N: 496419 Permit to Construct Issued: 06/24/09	C162	C163 D164		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM B, SPENCER, MODEL JH9600B8-M, WITH 50 HP BLOWER, 468 SQ.FT. A/N: 496419 Permit to Construct Issued: 06/24/09	C163	C48 C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.3

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 2
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 11: CUPOLA FURNACE FEED ROOM APCS					
FLOOR SWEEP, 48 TOTAL A/N: 496419 Permit to Construct Issued: 06/24/09	D164	C162		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
BAGHOUSE, WITH 300 HP BLOWER, 64000 SQ.FT. A/N: 546549	C48	D126 S142 C160 C163 C192		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D381.1, D182.7 E102.1, H116.1 H116.2 K171.7
DUST COLLECTOR, HEPA, 8 SECTIONS, WITH 72 PRE- FILTERS TOTAL, EACH 2 FT. W. X 2 FT. L. X 2 INCHES THICK, WITH, 72 HEPA FILTERS TOTAL, EACH 2 FT. W. X 2 FT. L. X 1 FT. THICK A/N: 546549	C192	C48, S142		LEAD (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.19, D182.7 D323.1 E102.1 E448.1 H116.1 H116.2 K171.7
STACK, HEIGHT: 112 FT ; DIAMETER: 7 FT A/N: 546549	S142	C192		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D182.5 D182.7 D381.1 K171.5 K171.7

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 3
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

APPLICATION NO. 546551

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)					
SCRUBBER, PACKED BED, MAPCO, MODEL MW-100-24, WITH 2 FT PACKING, 4 IN THICK MESH PAD, CHEVRON TYPE MIST ELIMINATOR, 100 HP BLOWER, WIDTH: 11 FT ; HEIGHT: 8 FT 8 IN; LENGTH: 20 FT 2 IN A/N: 546551	C165	D1 D2 D3 D4 D5 C172 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C8.4, D12.12, D182.8, D323.1, E448.10 H116.3, K171.8
MIST ELIMINATOR, HEPA, WITH 16 PREFILTERS, EACH 2 FT. W. X 2 FT. L. X 2 INCHES THICK, MAPCO, MODEL MW-100-24, WITH 16 HEPA FILTERS, EACH 2 FT. W. X 2 FT. L. X 11.5 INCHES THICK A/N: 546551	C172	C165 S166		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.14, D182.8, D323.1, E448.1 E448.10 H116.3, K171.8
STACK, HEIGHT: 65 FT ; DIAMETER: 3 FT 8 IN A/N: 546551	S166	C172		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D182.8 D381.2 K171.8
ENCLOSURE, BUILDING, RAW MATERIAL PREPARATION SYSTEM, 125 FT W. X 329 FT L. X 75 FT H., APPROXIMATE DIMENSIONS WITH A/N: 533202 Permit to Construct Issued: 07/20/12	C175	C156 C157 C165 C191		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	E448.2
ENCLOSURE, BUILDING, TRUCK LOADING AND UNLOADING, 21 FT W. X 41 FT L. X 17 FT H., APPROXIMATE DIMENSIONS	C191	C165 C175		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	E448.2

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 4
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

HISTORY

The following tables describe the history, status and description of the submitted applications:

A/N	DATE RECEIVED	CLASS	DESCRIPTION
546547	01/16/2013	III	RECLAIM/TITLE V MINOR PERMIT REVISION
546549	01/16/2013	I	ALTERATION TO CUPOLA FEED ROOM BAGHOUSE
546551	01/16/2013	I	ALTERATION TO RMPS SCRUBBER/HEPA APCS 9

CUPOLA FEED ROOM BAGHOUSE AND CENTRAL VACUUM SYSTEM A: (device nos. C48, C159, C160, D161, S142, C192)	
546549	Received 1/16/2013 for alteration to the cupola furnace feed room baghouse (device C48) by the addition of a HEPA filter dust collector system.
496418	Received 3/13/2009 for alteration to 374249 - delete venting of one overhead hood. P/C issued 6/24/2009. P/O issued 9/28/2012
374249	Exide C/O application received 8/31/2000 - P/C pending
344816	P/C issued 1/27/1999 to GNB for new APCS No. 7 to add vacuum system A

AIR POLLUTION CONTROL SYSTEM NO. 9	
546551	Received 1/16/2013 for alteration to the battery crusher scrubber/HEPA system by the addition of a prefilter section to the HEPA filter compartment and by the lengthening of the distance between the wet scrubber section and the HEPA filter housing.
501057	Received 7/30/2009 for alteration to APCS No. 9. The alteration consists of changing the blower motor horsepower from 40 H.P. to 100 H.P. and increasing the blower RPM. This was performed in conjunction with the conversion of the RMPS partial enclosure building to a total enclosure building. P/C issued 3/30/2010. P/O issued 9/28/2012
374250	Received 8/31/2000 for change of ownership/alteration to APCS No. 9, P/C 7-31-2002. The alteration consists of adding a HEPA filter mist eliminator to this system.
344817	Received 8/4/1998, P/C 2/26/1999 to GNB, cancelled 4/19/2002.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 5
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

PROCESS DESCRIPTION

BACKGROUND

Exide Technologies is a secondary lead smelter. The subject permit applications were submitted to install a HEPA filter system to the outlet of the cupola feed room baghouse and to lengthen the distance between the scrubber mesh pads and the inlet to the HEPA filter housing in the battery crusher scrubber/HEPA system.

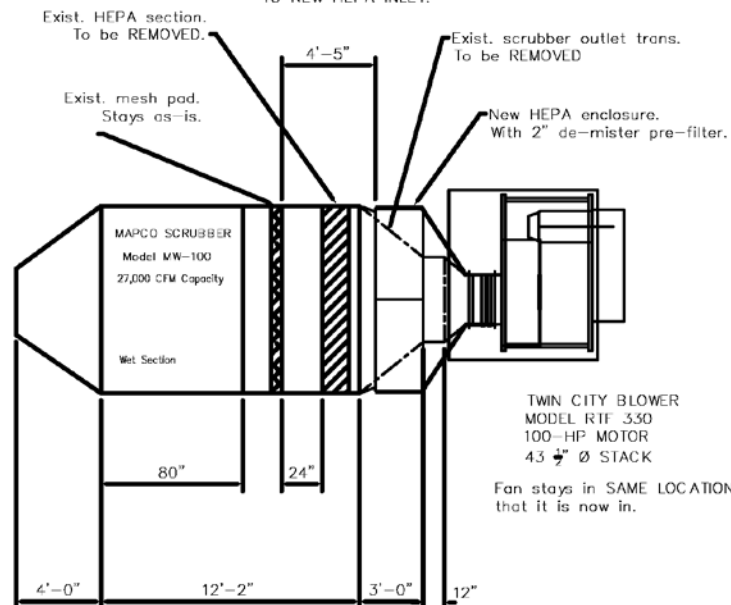
These alterations are physical equipment mitigation measures required in the first Rule 1420.1 lead mitigation plan issued as an addendum to the Rule 1420.1 compliance plan of A/N 530090. The subject compliance plan letter was issued on 1/27/2012 and the mitigation plan was issued on 11/16/2012. The mitigation plan addresses a previously resolved exceedance of the 0.15 ug/m³ Rule 1420.1 limit at the MID monitoring station located at this facility.

The MID monitor is the ambient lead sampler located closest to the Raw Material Preparation System (RMPS) total containment building located along the northwest fence line of this facility. The subject scrubber vents the battery crusher located in this building.

The cupola furnace feed room baghouse modification is required by condition 2 in the mitigation plan and the scrubber modification is required by condition 3 in this mitigation plan. These conditions require completion of construction within 90 days of the issuance of the Permits to Construct. The proposed alterations will provide additional levels of control to lower ambient lead concentrations at the fence lines of this facility. The mitigation measures are incremental as specified in the 1/27/2012 compliance plan letter. They are only required if the 30 day average ambient lead concentration limits at any of the monitoring stations approved for this facility are exceeded. The current improvements are the first step in a series of measures defined in the compliance plan to address any lead concentration exceedances, if they occur in the future.

DESCRIPTION OF PROPOSED EQUIPMENT ALTERATION

The alteration to the cupola furnace feed room baghouse (also identified as the "material handling", or "MH", baghouse) consists of the installation one separate HEPA filter dust collector between each baghouse compartment (eight total) and the exhaust duct branches. There are two parallel exhaust duct branches which combine into one before going to the stack outlet. It appears, based on information received so far, that this baghouse may be operated with one half of all compartments at any one time. Therefore, source test conditions will ensure that all eight of the new HEPA modules are operational during one or more triplicate tests of source test runs, depending on operational mode.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 7
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

EVALUATION

CEQA

There are no emissions increases resulting from the proposed alterations and change of conditions. Therefore a CEQA evaluation is not required in this case.

RULE 212

There are no emissions increases and no increases in health risk resulting from the proposed alterations and change of conditions. Therefore a Rule 212 public notice is not required in this case.

RULE 401

Operation of the subject equipment is not expected to cause visible emissions in excess of the limits in this rule. Therefore, compliance is expected.

RULE 402

Since the process equipment is vented to baghouses and scrubbers at this facility, nuisance complaints due to dust and odors are not expected during normal operation of the subject equipment at this facility. Any nuisance complaints resulting from process upset conditions (if any) will be handled by SCAQMD Compliance staff.

RULE 404

Previous evaluations have shown compliance with the particulate concentration limits in this rule.

RULE 405

Previous evaluations have shown compliance with the particulate emission limits in this rule.

REGULATION XIII/BACT

Since no emission increases are expected as a result of the proposed alteration, emission offsets and a BACT evaluation are not required in this case.

RULE 1401

There is no health risk increase resulting from this set of applications. Therefore, compliance with this rule is expected.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 8
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

RULE 1402

The emissions from this facility have resulted in an existing cancer risk greater than 25 in a million and a cancer burden greater than 0.5. These risk levels trigger requirements in Rule 1402 for a Risk Reduction Plan (RRP) which is required to be submitted by Exide within 180 days of a 3-1-2013 SCAQMD HRA letter previously provided to Exide. The required risk reduction must be completed no later than 3 years from the initial date of submittal of the pending RRP. The RRP is pending at this point. Source test requirements for arsenic emissions will be required subsequent to the subject equipment alterations to re-quantify the arsenic emissions potential for this facility for the next HRA.

RULE 1407

The cupola feed room baghouse is subject to the requirements of this rule because it may control some fugitive emissions of metallurgical fumes released by the cupola furnace. These are fumes released into the internal atmosphere of the refinery building which may mix with the air space in the cupola feed room vented by this baghouse.

This rule requires a minimum control efficiency of 99 percent on total particulates or compliance with the 98 percent lead control performance standard in Rule 1420 in place of verifying the particulate efficiency standard. Previous source tests have demonstrated compliance with the 98 percent lead control standard. New tests will be required to verify compliance with the performance standards once construction is completed.

RULE 1420

Previous source tests have demonstrated that all APCS equipment at this facility has at least 98% control efficiency on lead emissions. New tests will be required to verify compliance with the performance standards in this rule once construction is completed.

RULE 1420.1

This facility is in compliance with all applicable requirements in this rule. New tests will be required to verify compliance with the performance standards in this rule once construction is completed.

40CFR60 Subpart X (LEAD NESHAP)

The total enclosure buildings at this facility are equipped with negative pressure differential gauges to ensure compliance with the total enclosure negative pressure requirements in this rule. The APC systems have been previously tested and found to be in compliance with the lead concentration limits in this rule. Therefore, compliance with the lead NESHAP has been demonstrated. New tests will be required to verify compliance with the performance standards in this rule once construction is completed.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 9
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

REGULATION 30, TITLE V

Since the proposed project will not result in any emission increases, the current modification is considered to be a Title V minor permit revision under this regulation.

CAM

CAM requirements pertain to the requirements of 40 CFR 64, Continuous Assurance Monitoring. The CAM rule contains specific federal monitoring requirements for process equipment which is vented by air pollution control systems where the facilities which are major sources, as defined in Title V (Reg 30). Permit conditions currently ensure compliance with CAM requirements. The following APC systems in operation at Exide are subject to CAM requirements. These APC systems have the following conditions associated with them:

APCS	Device ID	REQUIRED CONDITIONS
APCS #1 Reverb furnace baghouse	C40, C41	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
APCS #2 Blast furnace baghouse	C45	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
APCS #5 Hard lead (pot furnace) baghouse	C46	D12.6, D12.7, D12.10, D12.11, D381.1, E102.1, H116.1, H116.2, H116.4, K67.3, E193.1
APCS #6 Soft lead (pot furnace) baghouse	C47	D12.6, D12.7, D12.10, D12.11, D381.1, E102.1, H116.1, H116.2, H116.4, K67.3, E193.1
Rotary dryer baghouse	C144	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
Blast/Reverb Furnace Common Stack Outlet	S139	A63.1, D82.1, D323.1, K67.9

DISCUSSION

There are no emission increases expected with regards to the subject permit applications. The proposed alterations are expected to result in a net decrease in lead and arsenic emissions which will lower the ambient lead concentrations at the fence line of this facility and will also lower the existing cancer risk profile attributed to this facility. The arsenic test requirements are required because this facility is in the process of entering a Rule 1402 risk reduction plan which is pending, and the equipment alterations will result in a re-quantification of the arsenic emissions potential for this facility.

Permit conditions are required to ensure compliance with all applicable Rules and Regulations. Source tests are required to determine compliance with all applicable rules and regulations.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 10
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

RECOMMENDATION

APPLICATION NO. 546547

Approve Title V Facility Permit minor revision.

APPLICATION NOS. 546549, 546551

Issue Permit to Construct subject to the following Facility Permit modifications and change of conditions in Section H::

1. Add new devices, modify device descriptions, add device connections, and add new permit conditions as indicated in the equipment description section of this report for the described Processes and Systems, and transfer to Section H all existing conditions:

(Note: additions and changes are **shaded** and indicated in **bold type**)

2. Add the following new and/or modified permit conditions to Section H:

MODIFIED

D12.19 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter dust collector, in inches water column.

The pressure differential across the HEPA filter dust collector shall not exceed 4.0 inches water column.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**; **RULE 1420, 9-11-1992**]

[Devices subject to this condition : C186, C188, **C192**]

NEW

D182.7 The operator shall test this equipment in accordance with the following specifications:

- A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of initial installation of the new HEPA dust collectors.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 11
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

- B) The test(s) shall measure the emissions of total lead at the inlet of the baghouse and the outlet of the HEPA filter dust collector. The tests shall also measure the emissions of total arsenic at the outlet of the HEPA filters. Triplicate source tests shall be conducted simultaneously on the inlet and outlet of this air pollution control system in accordance with the requirements set forth by Rules 1420 (e)(2) and 1420.1 (k).**
- C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA dust collector outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of all applicable rules.**
- D) The operator shall ensure that all eight (8) compartments of the baghouse of device C48 are in operation during these source test runs. If operation of this baghouse is normally performed with only four compartments in operation at any one time, then the operator shall perform separate sets of the triplicate, simultaneous inlet/outlet tests specified in subparts A, B, and C of these conditions for each parallel set of four compartments.**
- E) The tests shall be conducted while the cupola furnace is operated under normal operating conditions.**
- F) The source tests shall be performed by a qualified testing laboratory, conducted in accordance with acceptable SCAQMD procedures and monitored by a SCAQMD representative.**
- G) The Rule 1420 source tests shall be conducted by a qualified testing contractor approved for rule 1420 testing.**
- H) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests.**
- I) Sampling facilities shall comply with the attached SCAQMD guidelines for the construction of sampling and testing facilities, pursuant to rule 217.**
- J) Written results shall be submitted to the SCAQMD within 60 days after testing.**

[Devices subject to this condition : C48, S142, C192]

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; 40CFR 63 Subpart X, 6-23-2003]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 12
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

NEW

D182.8 The operator shall test this equipment in accordance with the following specifications

- A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of the construction of the enclosures for the scrubber and HEPA filters.**
- B) The test(s) shall measure the emissions of total lead at the inlet of the scrubber and the outlet of the HEPA filters. The tests shall also measure the emissions of total arsenic at the outlet of the HEPA filters. Triplicate source tests shall be conducted simultaneously on the inlet and outlet in accordance with the requirements set forth by Rules 1420 (e)(2) and 1420.1 (k).**
- C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA filter exhaust outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of both rules.**
- D) The tests shall be conducted while the Raw Material Preparation System is operated under normal operating conditions.**
- E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with acceptable SCAQMD procedures.**
- F) The Rule 1420 source tests shall be conducted by a qualified testing contractor approved for Rule 1420 testing.**
- G) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests, if the SCAQMD decides to have an observer present.**
- H) Sampling facilities shall comply with the SCAQMD "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.**
- I) Written results shall be submitted to the SCAQMD within 60 days after testing.**

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; 40CFR 63 Subpart X, 6-23-2003]

[Devices subject to this condition : C165, S166, C172]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 13
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

MODIFIED

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to SCAQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : D1, D2, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, C42, C43, C44, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D135, D136, D137, D138, S139, C143, D151, D152, D153, D154, D155, C159, D161, C162, D164, C165, C172, D173, D183, C184, C186, C188, **C192**]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 14
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

MODIFIED

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C48, C144, C156, C157, C159, C160, C162, C163, C186, C188, **C192**]

MODIFIED

E448.1 The operator shall comply with the following requirements:

- A. The HEPA filters used in this equipment shall be certified, in writing, by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.
- B. Copies of the HEPA filter certifications shall be kept and maintained on file for a minimum of 5 years and shall be provided to **SCAQMD** personnel upon request.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : **C172**, C186, C188, **C192**]

(NEW)

E448.10 The operator shall comply with the following requirements:

1. The minimum distance from the outlet side of the demister mesh pad in the scrubber section of this equipment and the inlet to the HEPA filter housing shall not be less than fifty three (53) inches.
2. Lines or markings and appropriate labels shall be displayed on the exterior housing of this equipment to clearly identify the physical locations of the outlet side of the demister mesh pad in the scrubber section of this equipment and the inlet to the HEPA filter housing.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **RULE 204, 10-8-1993; 40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : **C165, C172**]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS**

PAGES 17	PAGE 15
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

MODIFIED

H116.1 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : C40, C41, C45, C46, C47, C48, C144, C156, C157, C186, C188, **C192**]

MODIFIED

H116.2 The operator shall be subject to the requirements stated in Rules 1407 and 1420 in order to comply with these rules whenever this equipment is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : C48, D128, **C192**]

NEW

K171.7 The operator shall provide to the SCAQMD the following items:

- A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.**
- B) The total amount, in tons, of all materials charged to the cupola furnace during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 16
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

C) A test plan shall be submitted for SCAQMD approval, and it shall include the following:

- 1. The identity of the testing laboratory.**
- 2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).**
- 3. A list of contaminants to be tested.**
- 4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.**
- 5. Location of points of sampling.**
- 6. Quality assurance measures.**
- 7. Experience in testing procedures.**
- 8. Date(s) and time(s) of commencement of the test(s).**

D) The source tests shall be completed, and a final report submitted to the SCAQMD, not later than 180 days of initial installation of the new HEPA filter dust collectors.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; 40CFR 63 Subpart X, 6-23-2003]

[Devices subject to this condition : C48, S142, C192]

NEW

K171.8 The operator shall provide to the SCAQMD the following items:

- A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.**
- B) The total amount, in tons, of all materials charged to the battery crusher during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.**

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

PAGES 17	PAGE 17
APPL. NO see pp. 1-3	DATE 04-16-2013
PROCESSED BY MAP	CHECKED BY

C) A test plan shall be submitted for SCAQMD approval, and it shall include the following:

- 1. The identity of the testing laboratory.**
- 2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).**
- 3. A list of contaminants to be tested.**
- 4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.**
- 5. Location of points of sampling.**
- 6. Quality assurance measures.**
- 7. Experience in testing procedures.**
- 8. Date(s) and time(s) of commencement of the test(s).**

D) The source tests shall be completed, and a final report submitted to the SCAQMD, not later than 180 days of initial installation of the new scrubber and HEPA filter enclosure.

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; 40CFR 63 Subpart X, 6-23-2003]

[Devices subject to this condition : C165, S166, C172]